MAKHANEK, N.G.; KUKARKIN, A.S.

High output blast furnace operations. Izv. vys. ucheb. zav.; chern. met. 5 no.5:37-43 '62. (MIRA 15:6)

1. Ural'skiy politekhnicheskiy institut.
(Blast furnaces)

KUKARKIN, A. S.; KITAYEV, B. I.

Bridging of the melt in a layer of blast furnace charge. Izv. vys. ucheb. mav.; chern. mat. 5 no.12:20-28 '62.

(MIRA 16:1)

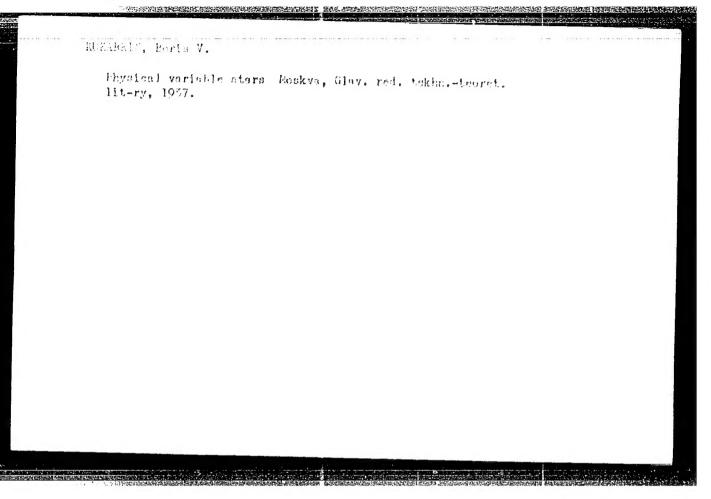
1. Ural'skiy politekhnicheskiy institut.

(Blast furnaces-Models) (Gas dynamics)

KUKARKIN, A.S.; KITAYEV, B.I. Studying the sources of hot blast pressure pulsation on blast furnace tuyeres. Izv. vys. ucheb. zav.; chern. met. 6 no.2:31-38 '63. (MIRA 16:3) 1. Ural'skiy politekhnicheskiy institut. (Blast furnaces) (Gas flow)

35391 O Hapravlenii Plemennoy Rabotys Pomesjami Krupnogo Rogatogo Skota V Hovosibirskoy Oblachi. V SB:Hichurinskuyu Hauku-V Praktiku Zhivotnovodstva. Novosibirsk, 1949, S. 53-70

SO: Letopis' Zhurnal'nykh Statey Vol. 34, Noskva, 1949



KUKARKIN, B.V.

2. USSR (600)

"Selective and total light absorption in the plane of the milky way," Astron. Zhur., No. 1, 1940. Institute imeni Sternberg, Moscow. (submitted Oct 1939)

9. Report U-1518, 23 Oct 1951

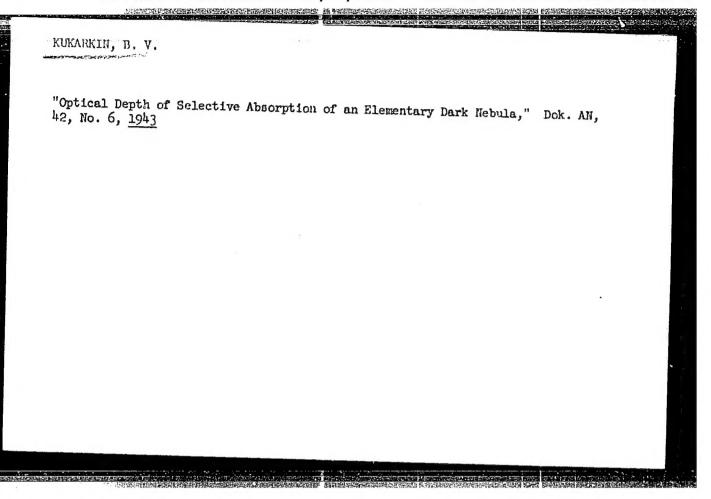
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- 2. USSR (600)

"Classification of variable stars, "Astron. Zhur., 17, No.2, 1940. Institute imeni Shtern-berg. (submitted Feb. 1940, Moscow)

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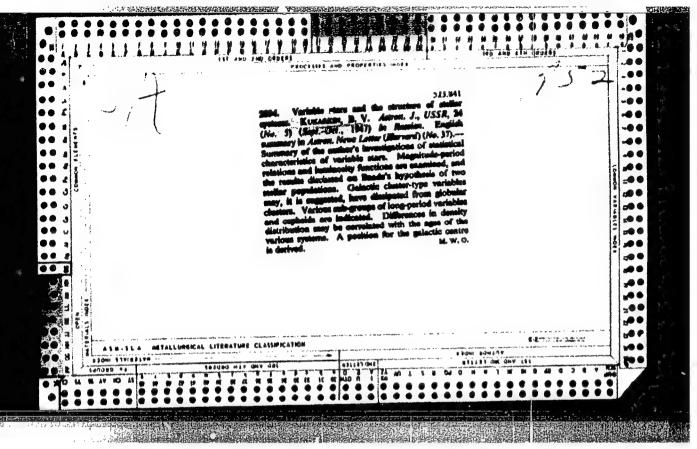
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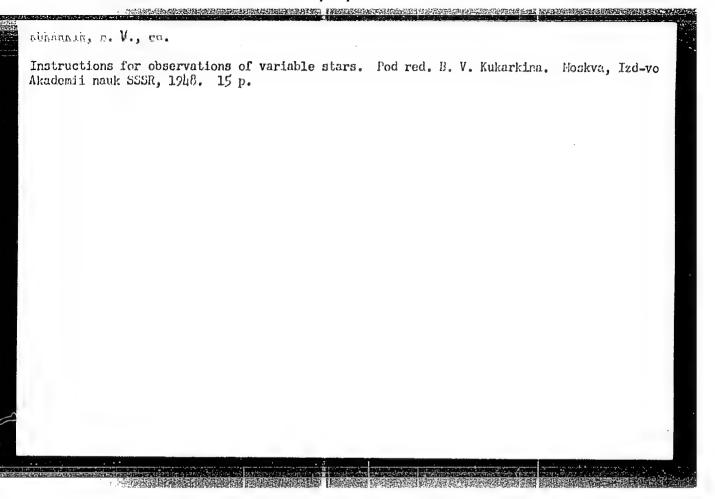
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Dissertations presented for degrees in science and engineering in Moscow in 1947 DocTorate in Physics-Malkomatical Sciences

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527 p. (49-18397)

QBA35.K8

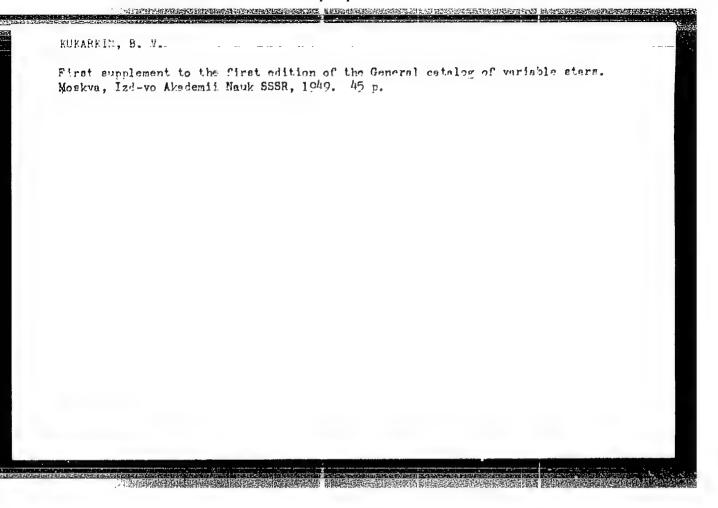
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- 2. USSR (600)
- 4. Physics and Mathematics
- 7. Investigation of the Structure and Development of Celestial Systems on the Basis of Study of Variable Stars, Kukarkin, B. V. (Moscow-Leningrad, State Technical Press, 1949). Reviewed by Shayn, G. A., Sov. Kniga, No 6,1950.

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System of star clusters. Trudy GAISh 16 no. 1, 1949.

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[Second supplement to the first edition of the general catalog of variable stars; containing data on 850 variable stars noted in 1949 and 1950, with more precise data on 302 earlier noted variable stars] Vtoroe dopolnenie k pervonu izdaniiu obshchego kataloga peremennykh zvezd, soderzhashchee svedeniia o 850 peremennykh zvezdakh, oboznachennykh v 1949 i 1950 gg., a takzhe utochenennye svedeniia o 302 ranee oboznachennykh peremennykh zvesdakh. Moskva, Izdvo Akademii nauk SSSR, 1950. 70 p. (MIRA 8:7) (Stars, Variable)

KUKARKIN, B.V.; PARENAGO, P.P.; SHEVCHENKO, G.N., tekhnicheskiy redsktor.

[Third supplement to the first edition of the general catalog of variable stars, containing data on 997 variable stars noted in 1951, with more precise data on 269 sarlier noted variable stars.]Tret'e dopolnenie k pervomu izdaniiu obshchego kataloga peremennykh zvezd, soderzhashchee svedeniia o 997 peremennykh zvezdakh, oboznachennykh v 1951 g., a takzhe utochnennye svedeniia o 259 ranee oboznachennykh peremennykh zvezdakh. Moskva, Izd-vo Akademii nauk SSSR, 1951, 93 p. (MIRA 8:7) (Stars, Variable)

KUKARKIN, B.V.; PARENAGO, P.P.; YEFREMOV, Yu.I.; KHOLOPOV, P.N.

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Structure and development of the celestial world, Moskva, (Pravda), 1951.

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9. Monthly List of Russian Accessions, Library of Congress, August 1952. Unclassified.

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Morphological peculiarities of long-period Cepheids in various star systems. Per.zvezdy 8 no. 1 (1951)

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AC Geminorum, Per. zvezdy 8, No. 4, 1951.

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KUMARKIN, B. V.

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Variation in the period of the long-period Cepheid SV Vulpeculae. Per. zvezdy 8, No. 4, 1951.

9. Monthly List of Russian Accessions, Library of Congress, Ray 1953, Unclassified.

KUKARKIN, B.V.; PARENAGO, P.P., YEFREMOV, Yu.I. KHOLOPOV, P.N.; POLYAKOVA, T.V., tekhnicheskiy redektor.

。 一日本企业的现在分词,在1000年的大型,在1000年的大型,1000年的大型,1000年的大型,1000年的大型,1000年的大型,1000年的大型,1000年的

[Fourth supplement to the first edition of the general catalog of variable stars, containing data on 105 variable stars noted in 1952, with more precise data on 613 earlier noted variable stars.] Chetvertoe dopolnenie k pervomy izdaniiu obshchego kataloga peremennykh zvezd, soderzhashchee svedeniia o 105 peremennykh zvezdakh, obeznachennykh v 1952 g., a takzhe utochnennye svedeniia o 613 ranee obezhachennykh peremennykh zvezdakh. Moskva, Izd-vo Akademii nauk SSSR, 1952, 86 p.

(Stars, Variable) (MLRA 8:7)

USSR/Astronomy - Cosmogony, Soviet

"Leading Cosmogonical Science" Prof B. V. Kukarkin

"Nauka i Zhizn" No 7, pp 29-32

Eulogizes new Soviet materialistic cosmogony as opposed to reactionary theory of the West, which had relied on false hypotheses of Jeans and physics of Weizsaecker applied to artificial universe, until V. G. Fesenkov, V. A. Ambartsumyan, and O. Yu. Shmidt created the right theory, based on philosophy of Marx, Engels, Lenin and Stalin.

KUKANKIN, B. V.

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Long-period Capheid CP Caphei. Per. zvezdy 8, No. 6, 1952.

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Advanced cosmogonic science. Nauka i zhizn' 19, no. 7, 1952.

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- 1. B. V. KUKARKIN
- 2. USSR (600)
- 4. Astronomy Congresses
- 7. Eighth Conference of the International Astronomical Society. Vest. An SSSR. 22 No. 11. 1952.

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KUKARKIH, B. V. (Prof)

USSR/Astronomy - Conference

Jan/Feb 52

"Chronicle: Decision of Enlarged Session of Presidium of Astronomical Council of the Academy of Sciences USSR on 22 January 1952"

"Astron Zhur" Vol XXIX, No 1, pp 101, 102

Professor B. V. Kukarkin, Acting Pres, Astr Council of Acad Sci USSR, protested against decision of International Ast Union to have the next international congress in Rome in Sep after having refused to meet in Leningrad in 1951 or 1952. Under pressure of US and Britain an "iron curtain" is erected against international relations.

202T12

KUKARKIN, V.

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Meeting on questions of star associations and distribution of hot giants. Astron. tsir. no. 122, 1952.

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Peremennye zvedzy [Variable stars]. Moskva, AN SSSR, [1953].

SO: Monthly List of Hussian Accessions, Vol. 6 No. 12 March 1954.

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[Fifth supplement to the first edition of the general catalog of variable stars, containing data relative to 70 variable stars appearing in 1953 plus.more precise data on 324 variable stars appearing earlier] Piatoe dopolnenie k pervomu izdaniiu obshchego kataloga peremennykh zvezd, sodershashchee svedeniia o 70 peremennykh svezdakh, obosnachennykh v 1953 g., a takshe utochnennye svedeniia o 324 ranee obosnachennykh peremennykh svezdakh. Moskva, Izd-vo Akademii nauk SSSR, 1953. 51 p. (MIRA 7:9)

(Stars, Variable)

SADYKOV, Kh. U.; KUKARKIN, B.V., professor, redaktor. (4115)

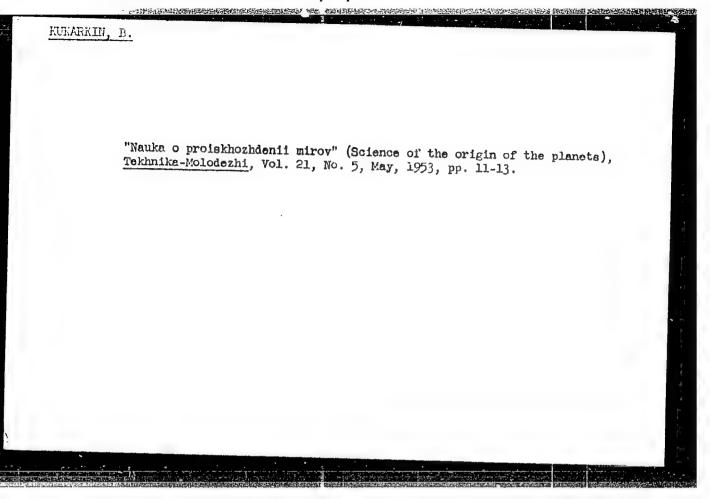
TO THE PERSON AND THE

[Biruni and his works in astronomy and mathematical geography] Biruni i ego raboty po astronomii i matematicheskoi geografii. Pod red. B.V.Kukar-kins. Moskva, Gos. izd-vo tekhniko-teoret. lit-ry. 1953. 151 p. (MLRA 7:6)

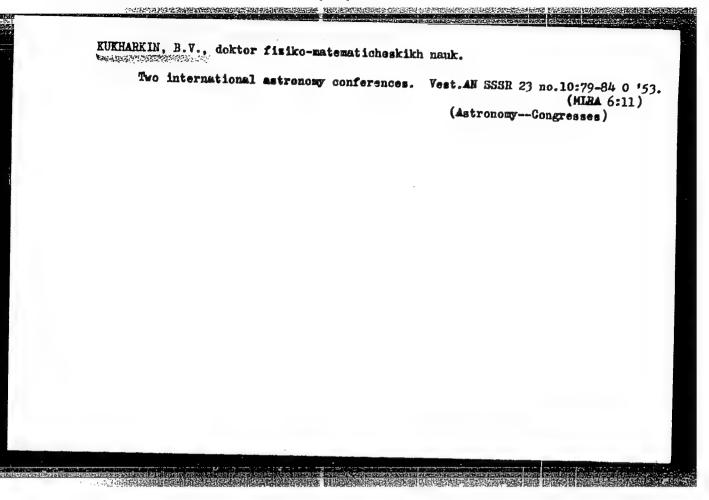
(Biruni, 9737-1048)

LAVHENT YEV, M.A., akademik, redaktor; AMBARTSUNYAN, V.A., akademik; KUKARKIN, B.V., dakter fiziko-matematicheskikh nauk; PARENAGO, P.P., chlem-kerrespondent AN SSSR; LEVIN, B.Yu., kandidat fiziko-matematicheskikh nauk; MASEVICH, A.G., kandidat fiziko-matematicheskikh nauk, redaktor.

[Transactions of the 2nd conference on problems of cosmogony, 19-22 May 1952] Soveshchamie po voprosam kosmogonii. Trudy.
Red. koll. M.A. Lavrent'ev i dr. Moskva, 1953. 582 p. (MLRA 7:5)
(Cosmogony) (Stars)



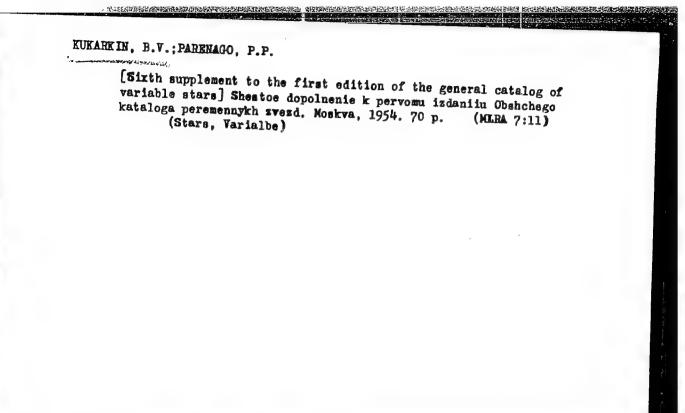
KUKARKIN,	<u></u>	
	"Observatoriya zavtrashnego dnya" (Observatory of tomorrow), Tekhnika-Molodezhi, Vol. 21, No. 5, May, 1953, p. 14.	



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1. Gosudarstvennyy astronomicheskiy institut imeni P.K.Shternberga. (Stars, Variable)



KUKARKIN, B.V., doktor fiziko-matematicheskikh nauk, redaktor; PA-HITSKIY, N.N., kandidat fiziko-matematicheskikh nauk, redaktor; BARANOV, V.I., doktor fiziko-matematicheskikh nauk, redaktor; BELOUSOV, V.V., redaktor; LEVIN, B.Yu., kandidat fiziko-matematicheskikh nauk, redaktor. MASEVICH, A.G., kandidat fizikomatematicheskikh nauk, redaktor; SAFRONOV, V.S., kandidat fiziko-matematicheskikh nauk, redaktor.

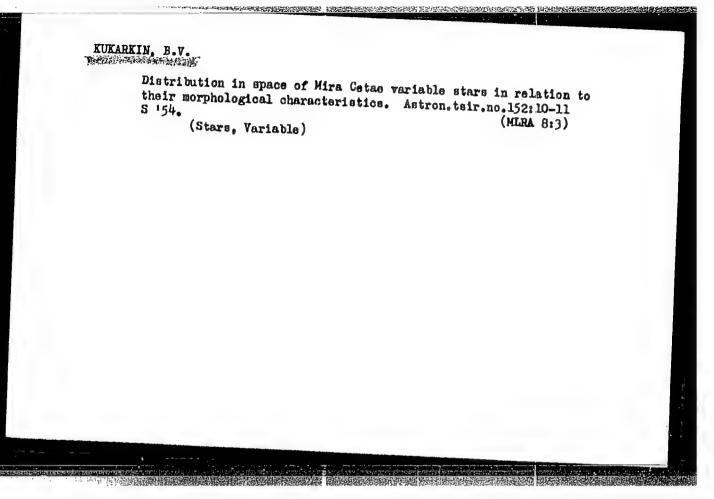
[Problems in cosmogony] Voprosy kosmogonii. Moskva, Izd-vo Akademii nauk SSSR. Vol 2. 1954. 363 p. (MLRA 7:8)

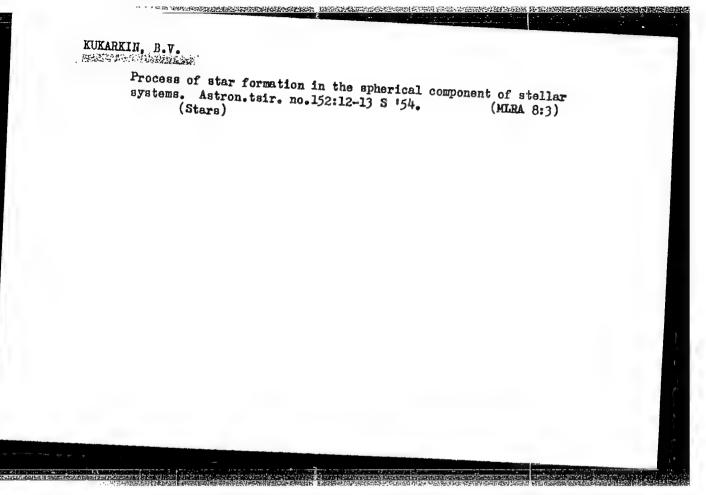
1. Chlen-korrespondent AN SSSR (for Belousov) 2. Akademiya nauk SSSR.
(Cosmogony)

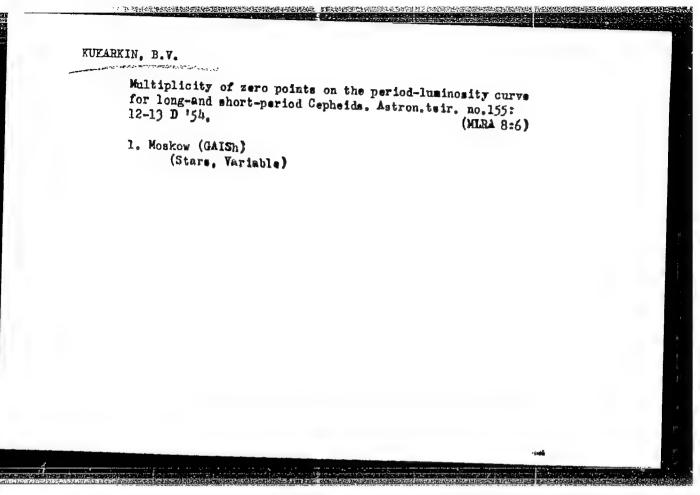
KUKARKIN, B.V.

Some questions on the origin and development of stars and stellar systems. Astron.shur. 31 no.6:489-498 N-D '54. (MLRA 8:1)

1. Gosudarstvennyy astronomicheskiy institut imeni P.K.Shternberga. (Stars)







KUKARKIN, B.V., redaktor; PARENAGO, P.P.; YEFREMOV, Yu.I.; KHOLOPOV, P.N., GUROV, K.P., redaktor; ACTAFYEVA, G.A., tekhnicheskiy redaktor.

TO PARTICULA DE CONTROL DE CONTRO

[Seventh supplement to the first edition of the General catalog of variable stars] Sed moe dopolnenie k pervomu izdaniiu obshchego kataloga peremennykh zvezd. Moskva, Izd-vo Akademii nauk SSSR, 1955. 71 p. (MLRA 8:12)

(Stars, Variable--Catalogs)

AMBARTSUMYAN, V.A., akademik, redaktor; MUSTEL!, E.R., redaktor; PAREMAGO P.P., redaktor; KUKARKIN, B.V., doktor fiziko-matematicheskikh nauk; MARTINOV, D.Ia., doktor fiziko-matematicheskikh nauk, redaktor; MASKVICH, A.G. kandidat fiziko-matematicheskikh nauk, redaktor; LEYKIN, G.A. kandidat fiziko-matematicheskikh nauk, redaktor; YEYREMOV, Yu.I., redaktor; POLYAKOVA, T.V., tekhnicheskiy redaktor.

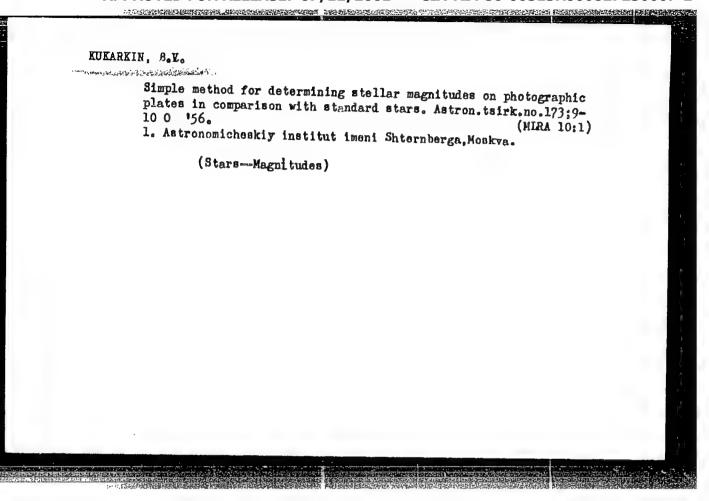
[Transactions of the Fourth Conference on Problems of Cosmogony; non-stationary stars] Trudy chetvertogo soveshchaniia po voprosam kosmogonii; nestatsionnarnye svezdy. Moskva, Isd-vo Akademii nauk SSSR, 1955. 512 p. (MLRA 8:12)

- 1. Chlen-korrespondent AN SSSR (for Mustel and Parenago)
- 2. Soveshchaniye po voprosam kosmogonii. 4th Moscow. 1954. (Stars)

USSR/ Scien	tific Organization - Conferences	
Card 1/1	Pub. 124 - 35/45	
Authors	* Kukarkin, B. V., Dr. of Phys-Math. So	•
Title	The study of variable sters	
the second reserves a	المدار الانتراقية المرابع القيامية وفادير فالمدارية والمستويد فالترقيق والانتهام المستحد والمستحدد والمستحد والا	المعاد المواطعة والمناوي ومعور والمعامل ويستماره فالسوا المالية المالية المالية المعارض
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	The numerous problems involved in the analyzed during the fourth session on October 26-29, 1954. The progress may variable stars of various types and tobtained toward the solution of cosmo	cosmogony, held in Moscov during de by Soviet astronomers in studying the application of the results
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KUKARKIN B.V.; PARENAGO, P.P.: TEPRENOV. Tat.I; KHOLOPOV, P.N.;
GUROV. K.P. redaktor izdatel'stva; POLYAKOVA, T.V.tekhnicheskly redaktor.

[Might supplement to the first edition of the general catalog of variable stars containing information on 629 variable stars recorded in 1956] Vos'moe dopolnenie k pervonu isdaniiu obshchege kataloga peremennykh svezd, sodershashchee svedeniia o 629 peremennykh zvezdakh, oboznachennykh v 1956 g. Moskva, Izd-vo Akad. nauk SSSR, 1956. 61 p. (MIRA 10:6)



KUKARKIN, B.V.

Fluctuations in the periods of short-period Cepheids. Astron. tsirk.no.173:10-11 0 56. (MLRA 10:1)

l. Astronomicheskiy institut imeni P.K.Shternberga, Moskva. (Stars, Variable)

KUKARKIN, B.V.

Two eclipsing variables. Astron.tsirk. no.174:20 N '56.

1. Astronomicheskiy institut im. Shternberga. Moskva.

(Stars, Variable)

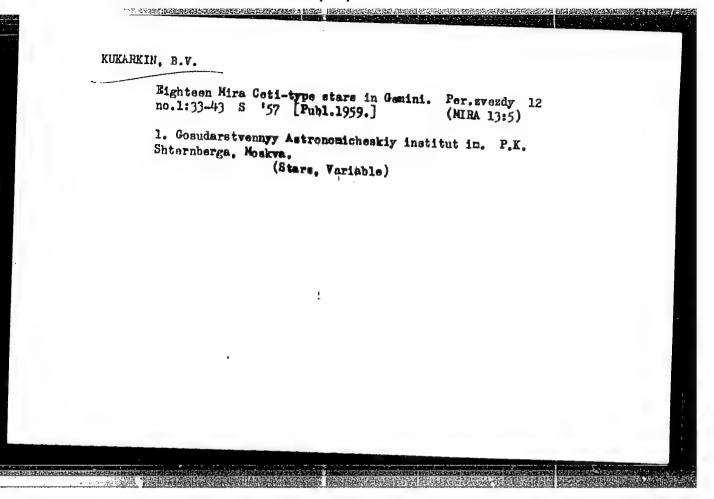
KUKARKIN, B.V.

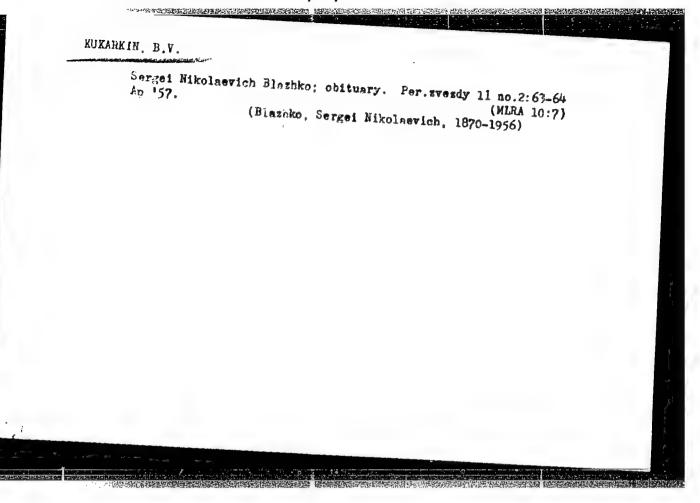
Maxima of some Mira Ceti-type stars. Astron.tsirk. no.174:20-21
N •56.

(MLRA 10:3)

l. Astronomicheskiy institut im.Shternberga, Moskva.

(Stars, Variable)





KUKAKKIN

Name

: KUKHARIN, B. V.

Title

: Professor, Doctor of Physics and Mathematics

Remarks

: Professor Kukharin is the author of an article entitled "Optical Observation of the Earth Satellite". The article discusses the techniques of optical and photographic observations of the satellite, and problems of space research, such as the measurement of the thickness of the atmosphere and the determination of the degree of deviation from theoretical flight paths for artificial satellites, which can be solved by these observations. It also mentions the Soviet Union's plans for new satellites equipped with optical instruments to investigate the moon's surface, the radiation of celestial bodies, etc.

Source

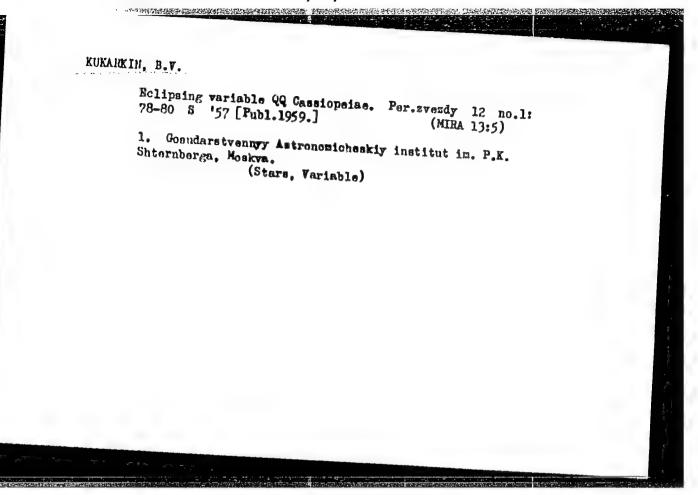
: P: Wissen und Leben (Leipzig), No. 12, 1957, Special Appendix, "Der Erste Schritt in den Kosmos" (First Step into Space), p. 19

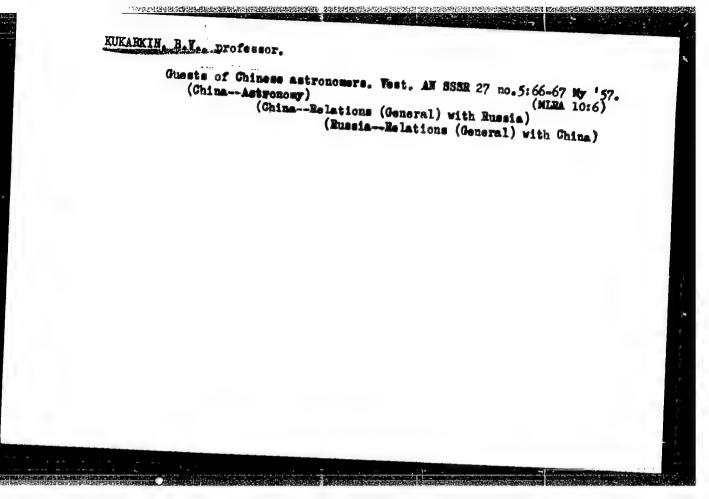
KUKARKIN, B.V.

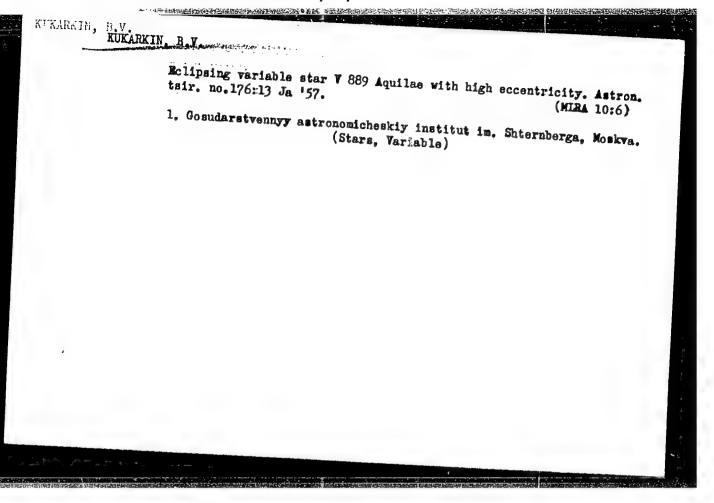
Five variable stars in the vicinity of the globular cluster NGC 5466. Per.zvezdy 12 no.1;50-52 S '57. [Publ.1959.] (HIRA 13:5)

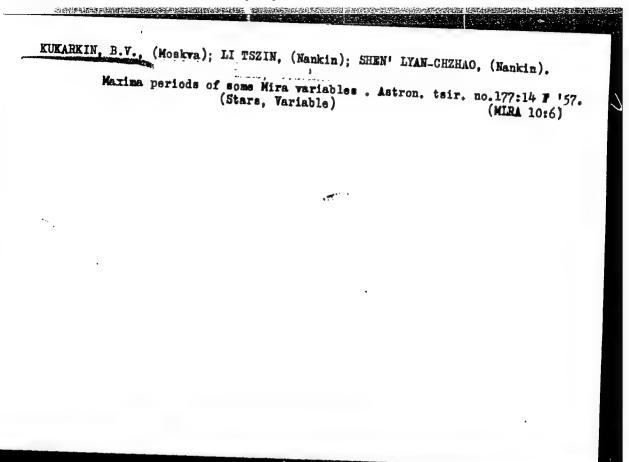
1. Gosudarstvennyy astronomichaskiy institut in. P.K.Shternberga.

(Stars, Variable)







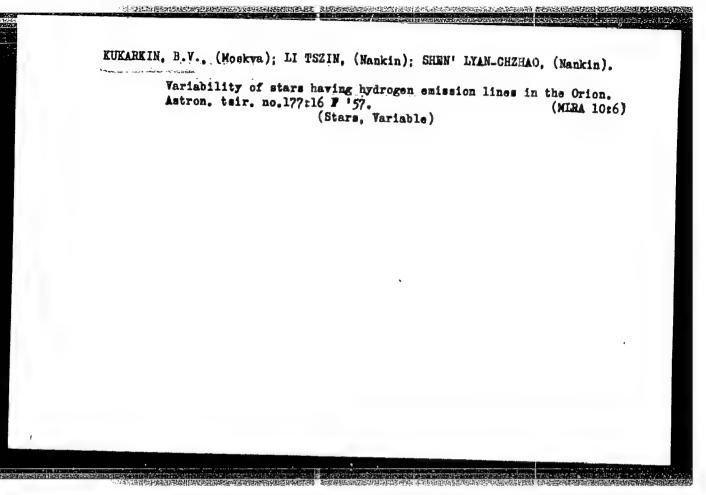


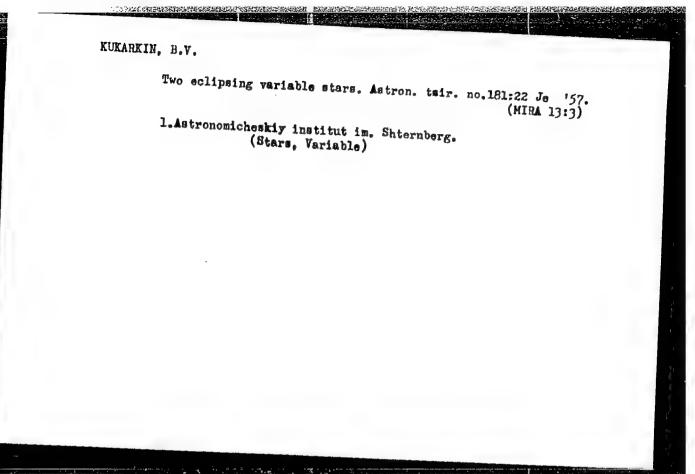
KUKARKIN, B.V., (Moskva); LI TSZIN, (Nankin); SHEN' LYAN-CHZHAO, (Nankin).

Righty-eight variable stars in the Orion nebula. Astron. tsir. no.177:

(Stars, Variable)

(MIRA 10:6)



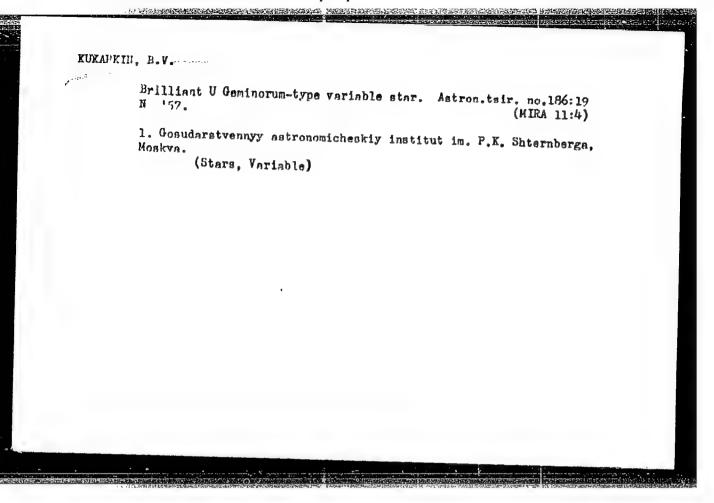


Muxima of 16 Mira Ceti-type stars, Astron. tsir. no.182:13-14 Je
'57. (Mira 11:3)

1. Astronomicheskiy institut im. Shternberga, Moskva.
(Stars, Variable)

 Six variable stars discovered by Romano, Astron, tsir, no.182:16
Je '57, (MIRA 11:3)

1. Astronomicheskiy institut im. Shternberga, Moskva, (Stars, Variable)



KUKARIN, B.V.

[General catalog of variable stars, containing data on 14,708 variable stars discovered and designated before 1958] Obshchiy katalog peremennykh zvezda. 2.id. soderzhashchoye svedeniya o 14708 peremennykh zvezdakh, otkrytykh i oboznachennykh do 1958 goda. Moskva, Izd-vo Akademii nauk SSSR, 1958. 2 v. 27 p.

(Stars, Variable--Catalogues) (MIRA 12:1)

YEFREMOV, Yu.I.; KHOLOPOV, P.N.; KUKARKIN, B.V., otv. red.; POLYAKOVA, T.V., tekhn. red.

[Minth supplement to the first edition of the general catalog of variable stars, containing information on 337 variable stars recorded in 1957] Deviatoe dopolnenie k pervomi izdaniiu obshchego kataloga peremennykh zvezd, soderzhashchee svedeniia o 337 peremennykh zvezdekh, oboznachennykh v 1957 g. Moskva, Izd-vo akad, nauk SSSR, 1958, 46 p.

(Stars, Variable--Catalogs)

PEREL', Yuriy Grigor'yevich; KUKARKIN, B.V., prof., red.; YERPYLEV, H.P., red.; KRYUCHKOVA, V.H., tekhn.red.

[Development of ideas about the universe] Rezvitie predstavlenii o vaselennoi. Pod red. B.V.Kukarkina. Moskva, Gos.izd-vo fizikomatem. lit-ry, 1958. 352 p. (MIRA 12:1)

(Cosmology)

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Vegrosy kosmogonii, t. 6 (Problems in Cosmogony, Vol. 6) M	kagow,	``]		
Sponsoring Agency: Akademiya nauk SSSR. Astronomicheski		: 1		
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AUTHOR:

Kukarkin, B.V., Professor

26-58-2-18/48

TITLE:

Optical Methods for the Observation of Artificial Earth Satellites (Opticheskiye metody nablyudeniya iskusstvennykh

sputnikov zemli)

PERIODICAL:

Priroda, 1958, Nr 2, pp 83-84 (USSR)

ABSTRACT:

Optical observation of satellites becomes very important when the radio-transmitter ceases to send out signals and especially in the case of carrier rockets not fitted with transmitters. The Astronomical Council of the Academy of Sciences of the USSR has organized a network of 66 stations for optical observations, but relies to a large extent on the help of amateur astronomers all over the country. The sputniks can best be observed shortly after sunset or before sunrise. Ordinary binoculars can be used and the sputnik's position fixed in relation to other heavenly bodies. The time of observation should be accurately noted to a fraction of a second. Even better is a photo of the sputnik made with full apperture and very sensitive film. The camera should be fixed on a stand and the apperture blocked at recorded intervals of time so as to leave a trace of the sputnik's course on the film.

Card 1/2

Reports and photographs of the satellites are sent in from

26-58-2-18/48

Optical Methods for the Observation of Artificial Earth Satellites

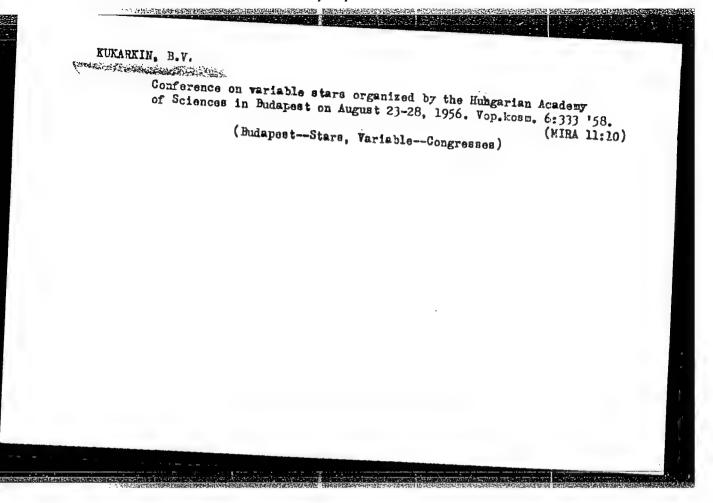
amateur astronomers to the Astronomical Council. F.V. Yablokov, head of the Aviameteostantsiya Maykop (Maykop Aeronautical Meteorological Station) has made systematic observations of the carrier-rocket of the first satellite using free balloons and theodolite, and has suggested that the hydro-meteorological service network be conscripted into making observations of There is 1 photo.

ASSOCIATION: Astronomicheskiy Sovet Akademii nauk SSSR, Moskva (Astronomical

Council of the Academy of Sciences of the USSR, Moscow)

Card 2/2

1. Satellites--Tracking 2. Optical systems--Applications



AUTHOR: Kukarkin, B.V., Professor SOV-26-58-10-30/51 TITLE: The Structure of Galaxies and Metagalaxies (Stroyeniye galaktik i metagalaktiki) PERIODICAL: Priroda, 1958, Nr 10, pp 111 - 112 (USSR) ABSTRACT: The article deals with the XI Conference held in Brussels from 9-13 June and devoted to problems of the structure and development of the galaxies and the metagalaxy. The conference was attended by scientists from the US, USSR, and most European countries. ASSOCIATION:

Astronomicheskiy sovet Akademii nauk SSSR/Moskva (The Astronomical Council of the USSR Academy of Sciences/Moscow)

1. Galaxies -- Theory

Card 1/1

AUTHOR:

SOV/30-58-9-21/51 Kukarkin, B. V., Doctor of Physical and Mathematical Sciences

TITLE:

News in Brief (Kratkiye soobshcheniya) Transactions of the XI. Solvay Conference (XI. Solveyevskaya konferentsiya)

PERIODICAL:

Vestnik Akademii nauk SSSR, 1958, Nr 9, pp. 90-91 (USSR)

ABSTRACT:

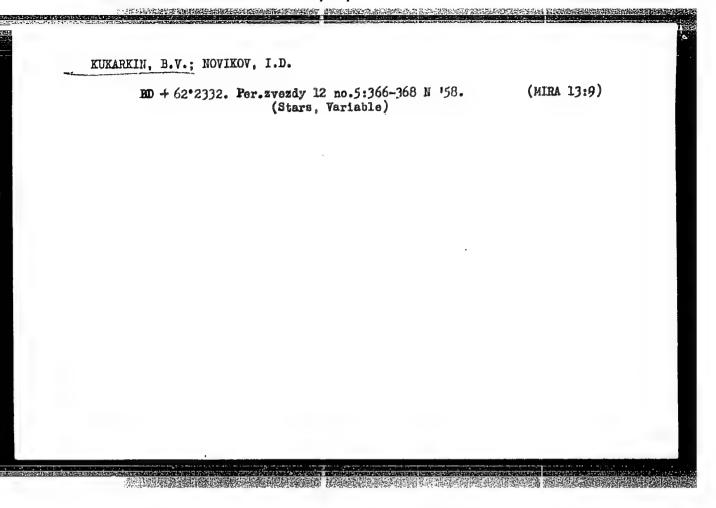
The conference was held in Brussels from June 3-13. It dealt with problems of the structure and development of galactics and metagalactics. The majority of reports were given by scientists from western countries. V. A. Ambartsumyan (USSR) reported on possible trends of development of the galactics in the light of the theories of astral development elaborated by him and based on the analysis of concrete observations. On the part of the USSR also B. V. Kukarkin attended the conference. On the last day of the conference a general discussion took place. The conference was well organized which circumstance guaranteed fertile work.

Card 1/2

KUKARKIN, B.V.: KUKARKINA, N.P.

Investigating variable stars in the globular cluster M3-NGC 5272. Part 1. Catalog of photographic magnitudes of 81 stars in the outer regions of the cluster. Per.zvezdy 12 no.4:291-292 Je 158. (MIRA 13:4)

1. Gosudarstvennyy astronomicheskiy institut Im.P.K.Shternberga. (Stars, Variable)



3(1) AUTHORS: SOV/30-58-12-9/46 Kukarkin, B. V., Kulikovskiy, P. G., TITLE: New Achievements in Astronomy (Novyye uspekhi astronomii) On the Results of the Xth International Astronomical Congress (K itogam X mezhdunarodnogo astronomicheskogo s"yezda) Vestnik Akademii nauk SSSR, 1958, Nr 12, pp 38 - 46 (USSR) PERIODICAL: ABSTRACT: This congress took place in Moscow from August 12 to 20. More than 1200 scientists from 37 countries attended it. A. A. Mikhaylov was elected head of the committee for the preparation of the symposion "The earth rotation and atomic time standards" and P. P. Parenago was elected member of the organization committee of the symposium "Herzsprung-Ressell (Khertsshprung-Ressell) diagram". "Explosions on the sun and their corpuscular radiation" (A. B. Severnyy), "The development of chemical elements in the stars" (A. G. Masevich), "Utilization of sputniks and "stratostates" for astronomical observations" (O. A. Mel'nikov), "Luminous power of Cepheids" (P. P. Parenago) were suggested as topics for discussion. Three unofficial symposia took place, which were opened by Soviet scientists: "Development of the element of meteorites" Card 1/6 (V. G. Fesenkov), "The development of the earth and the

SOV/30-58-12-9/46

planets" (B. Yu. Levin), and "Physics of planetary nebulae" (B. A. Vorontsov-Vel'yaminov). During the conference K. F. Ogorodnikov published the periodical "Kosmos". The participants in the conference were welcomed by F. R. Kozlov, Deputy Premier of the Council of Ministers of the USSR. and also by Academician K. V. Ostrovityanov, Vice-President of the AS USSR. The head of the Gosudarstvennyy astronomicheskiy institut im. P. K. Shternberga (State Astronomical Institute imeni P. K. Shternberg), Professor D. Ya. Martynov, welcomed the directors of astronomical institutes and prominent scientists. At the opening of the conference the participants were welcomed by A. N. Kosygin, Deputy Premier of the Council of Ministers of the USSR. On behalf of the presidential committee of the AS USSR the participants in the conference were welcomed by Academician A. V. Topchiyev, Vice-President of the AS USSR. Academician V. A. Ambartsumyan, Chairman of the organization committee, spoke on the develop-Furthermore the Soviet scientists ment of astrophysics reported on:

Card 2/6

SOV/30-58-12-9/46

- I. M. Kopylov on the diagram of hot 0- and T-associations.
- P. N. Kholopov on the analysis of the diagrams of T-associations and their relationships to the O-associations.
- K. A. Barkhatova on the analysis of the diagrams of scattered star clusters.
- A. G. Masevich on the development of stars with an unsteady mass.
- V. A. Krat on possible directions in the development of stars on the Herzsprung-Ressell diagram.
- E. R. Mustel' on the loss of mass in stars of different classes.
- V. G. Fesenkov, G. M. Idlis on the role of corpuscular radiation in stars as an important factor of development.
- Ye. P. Fedorov on the nutation according to values of latitude observations.
- A. A. Nemiro, M. S. Zverev on the influence of systematic errors in star catalogues on the determination of irregularities in the rotation of the earth.
- D. A. Frank-Kamenetskiy on the possibility of nuclear reactions in cold acceleration of the particles.

Further lectures were given by:

Card 3/6

SOV/30-58-12-9/46

- P. E. Nemirovskiy on nuclear structure and development of the elements.
- B. A. Tverskoy, R. Z. Sagdayev on some possible nuclear processes in star atmospheres.
- A. B. Severnyy on observations by means of a sun-magnetograph.
- E. R. Mustel' explained the relationship between geomagnetical storms and the transit of flocouli through the visible center of the disk of the sun.
- S. N. Vernov, A. Ye. Chudakov on the investigation of primary components of cosmic radiation based on data determined by the second and the third Soviet sputnik.
- T. N. Nazarova and A. Dubin (USA) on the investigation of micro-meteors by means of the Soviet and American sputniks.
- V. I. Krasovskiy on Soviet investigations of the ionosphere by means of rockets and sputniks,
- Ya. L. Al'pert, L. A. Zhekulin, A. N. Kazantseva and the American scientist G. Siri on the investigation of the ionosphere by radio observations of the sputniks.
- V. P. Tsesevich on changes in the light emanating from the Soviet sputniks.

Card 4/6

SOV/30-58-12-9/46

Ye. D. Pavlovskaya on short-periodic Cepheids.

Yu. P. Pskovskiy on several revision evaluations of the absolute size of the Cepheids.

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In the Institut geokhimii i analiticheskoy khimii im. V. I. Vernadskogo (Institute of Geochemistry and Analytical Chemistry imeni V. I. Vernadskiy) a discussion on several problems of meteorite chemistry was carried out by the Komitet po meteoritike Akademii nauk SSSR (Committee for Meteoretics of the Academy of Sciences, USSR), which was attended by A. P. Vinogradov, V. G. Fesenkov, A. 4. Yanvelt, and L. G. Kyasha for the USSR. In the symposium on the development of the earth and the planets the USSR was represented by Ye. L. Ruskol, A. I. Lebedinskiy, B. Yu. Levin, V. S. Safronov, and V. A. Krat. In the discussion on the development of the comets the USSR delegated S. K. Vsekhsvyatskiy, V. G. Fesenkov, K. A. Shteyns, V. I. Cherednichenko, and I. S. Astapovich. The discussion on the physics of planetary nebulae was attended by B. A. Yorontsov-Vel'yaminov, G. A. Gurzadyan, N. Razmadze, and Yu. P. Pskovskiy. A new executive committee of the

Card 5/6

SOV/30-58-12-9/46

International Astronomical Union was elected. Soviet astronomers were elected chairmen of a number of commissions. The next conference is to take place in the USA.

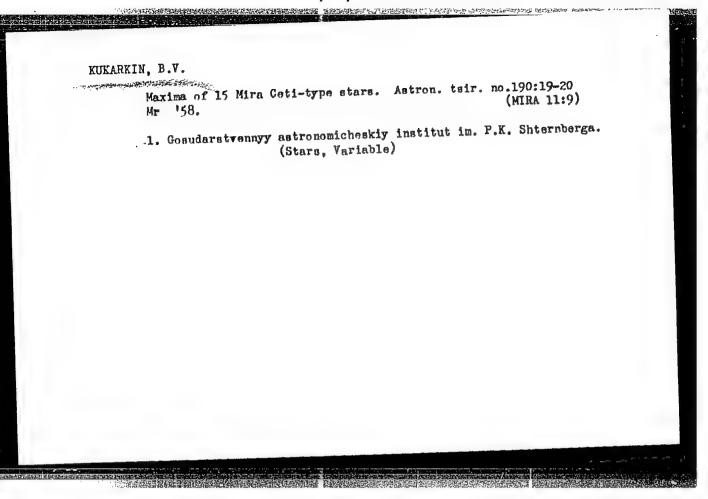
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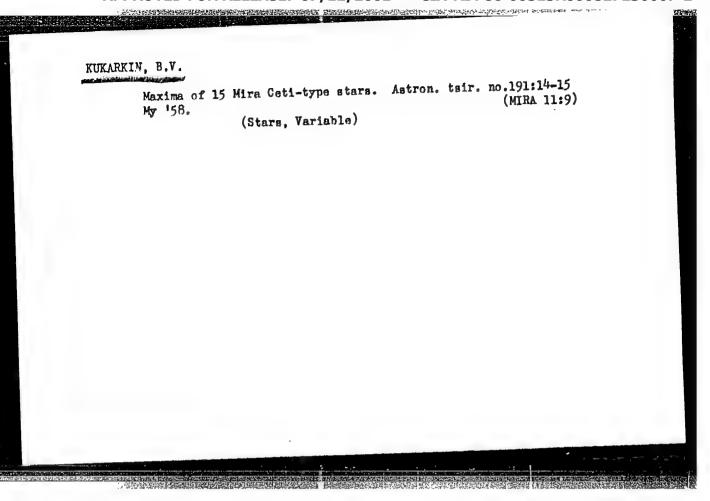
KUKARKIN, B.V., prof.

Structure of galaxies and of the metagelaxy. Friroda h? no.10!
111-112 0 '58.

1. Astronomicheskiy Sovet AM SSSR (Moskva).

(Galaxies)





Two variable stars. Astron. tsir. no.191:15-16 My '58. (MIRA 11:9)

1. Josudarstvennyy astronomicheskiy institut im. P.K.Shternbarga,
Moskva. (Stars, Variable)

Marina of 14 Mira Ceti-type stars. Astron.tsir. no.103126-27

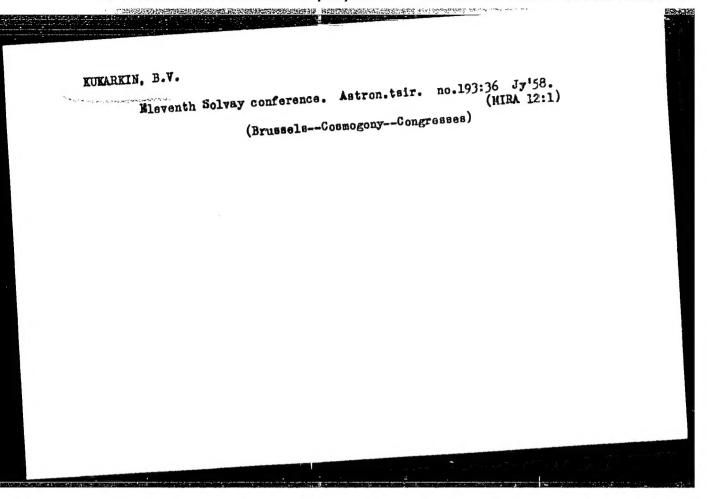
Marina of 14 Mira Ceti-type stars. Astron.tsir. no.103126-27

(NIEA 12:1)

Jy '59.

1. Gosumiarstvennyy astronomicheskiy institut in. P.L.Shternberga,

Moskva. (Stars, Variable)



KUKARKIN, Boris Vasil'yevich, prof.; RYBNIKOV, Konstantin Alekseyevich, prof.; BASHMAKOVA, Izabella Grigor'yevna; YUSHKEVICH, Adol'f prof.; BASHMAKOVA, Izabella Grigor'yevna; YUSHKEVICH, Adol'f Pavlovich; YANOVSKAYA, Sof'ya Aleksandrovna; SPASSKIY, Boris Ivanovich, dotsent; MIKHAYLOV, Glab Konstantinovich, starshiy Ivanovich, dotsent; MATYNOV, D.Ya., prof., otv.red.; GORIEYEV, nauchnyy sotrudnik; MATYNOV, D.Ya., prof., red.; KUDRYAVISEV, D.I., prof., red.; KUDRYAVISEV, D.I., prof., red.; KULIKOVSKIY, P.G., dotsent, red.; KHRGIAN, P.S., prof., red.; VERKHUNOV, A.Kh., prof., red.; SHEVISOV, N.S., prof., red.; VERKHUNOV, V.M., assistent, red.; KONONKOV, A.F., red.; YERMAKOV, M.S., tekhn.red.

[Programs of courses on the history of the physicomathematical sciences] Programmy po istorii fiziko-matematicheskikh nauk.

(MIRA 12:12)

Moskva, 1959. 40 p.

1. Moscow. Universitet. 2. Orgkomitet Vsesoyuznoy mezhvuzovskoy
konferentsii po istorii fiziko-matematicheskikh nauk (for Kukarkin,
Rybnikov, Spasskiy, Gordeyev, Ivanenko, Kudryavtsev, Kulikovskiy,
Mikhaylov, Khrgian, Shevtsov, Verkhunov, Kononkov).

(Physics-Study and teaching)
(Mathematics-Study and teaching)

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sov/26-59-3-2/47

Kukarkin, B.V., Professor (Moscow)

AUTHOR:

The Launching of Cosmic Rockets and Astronomical

TITLE:

Problems

PERIODICAL:

Priroda, 1959, Nr 3, pp 7-8 (USSR)

ABSTRACT:

The author points out that the first cosmic rocket launched by the USSR on January, 2, 1959, reached the second cosmic speed (11.2 km/sec) and thus, overcoming the gravity field of the earth, became an independent body of the solar system. He describes various new possibilities in space research opened up by the rocket, e.g. direct observations of the magnetic field of the moon and its radioactivity, study of cosmic rays in interstellar space, corpuscular radiation of the sun, interstellar and inter-planetary gas etc. Overcoming the third cosmic speed and the flight into inter-

Card 1/2

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The Launching of Cosmic Rockets and Astronomical Problems

stellar space is a problem of special interest for future rocket development. Such a rocket should have a speed of over 12.3km/sec and be launched exactly in accordance with the direction of the earth's movement. In this connection, experiments testing Einstein's theory of relativity are also conceivable.

ASSOCIATION: Astronomicheskiy Sovet Akademii nauk SSSR (Astronomical Council of the AS USSR)

Card 2/2